

5

1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-160U) at 663 nm and 646 nm, respectively. The concentration of chlorophyll was calculated using the following equations: $\text{Chlorophyll } a = 11.85 \times \text{OD}_{663} - 1.89 \times \text{OD}_{646}$ and $\text{Chlorophyll } b = 21.5 \times \text{OD}_{646} - 5.1 \times \text{OD}_{663}$ (Arar and Parsons, 1992).